

Glu Val Met Ala Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln Trp Ile
 35 40 45 50
 acc gac cag tat aac aag gaa agt gat gac aag tac cac ttc agg atc 250
 Thr Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile
 55 60 65
 ttc cga gtc ctt aaa gtc cag agg cag gtc act gac cac ctg gag tat 298
 Phe Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr
 70 75 80
 cac ctg aat gtg gaa atg cag tgg acc acc tgc caa aag cca gag acc 346
 His Leu Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr
 85 90 95
 acg aac tgt gtc ccc cag gaa agg gag ctt cac aag caa gtc aac tgc 394
 Thr Asn Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys
 100 105 110
 ttc ttc tca gtg ttt gct gta ccc tgg ttt gaa cag tac aaa att ttg 442
 Phe Phe Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu
 115 120 125 130
 aac aaa agc tgc agc agt gac tag gtgtcctgga gggtacaact gcggccactg 496
 Asn Lys Ser Cys Ser Ser Asp *
 135
 catgtgagag aatcctgcaa tgggcaataa tccttaatat aggcaataaa tgtttgtaaa 556
 catattctct taaaaaaaaa 574

<210> 2

<211> 137

<212> PRT

<213> Homo sapiens

<400> 2

Met Ala Glu Pro Trp Gln Ala Leu Gln Leu Leu Leu Ala Ile Leu Leu
 1 5 10 15
 Thr Leu Met Ala Leu Pro Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser
 20 25 30
 Val His Glu Val Met Ala Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln
 35 40 45
 Trp Ile Thr Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe

50 55 60
 Arg Ile Phe Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu
 65 70 75 80
 Glu Tyr His Leu Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro
 85 90 95
 Glu Thr Thr Asn Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val
 100 105 110
 Asn Cys Phe Phe Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys
 115 120 125
 Ile Leu Asn Lys Ser Cys Ser Ser Asp
 130 135

<210> 3
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 3
 Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His Glu Val Met Ala
 1 5 10 15
 Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr
 20 25 30
 Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu
 35 40 45
 Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val
 50 55 60
 Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val
 65 70 75 80
 Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe Ser Val
 85 90 95
 Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys Ser Cys
 100 105 110
 Ser Ser Asp
 115

<210> 4
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 4

Leu Pro Tyr Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His Glu Val
 1 5 10 15
 Met Ala Val Glu Asn Tyr Ala Lys Asp Ser Leu Gln Trp Ile Thr Asp
 20 25 30
 Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg
 35 40 45
 Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu
 50 55 60
 Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
 65 70 75 80
 Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe
 85 90 95
 Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
 100 105 110
 Ser Cys Ser Ser Asp
 115

<210> 5
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 5
 Gln Ala Arg Lys Lys Thr Phe Leu Ser Val His Glu Val Met Ala Val
 1 5 10 15
 Glu Asn Tyr Ala Lys Asp
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<210> 6
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 6
 Arg Lys Lys Thr Phe Leu Ser Val His Glu Val Met Ala Val Glu Asn
 1 5 10 15
 Tyr Ala Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr Asn Lys Glu
 20 25 30
 Ser Asp Asp Lys
 35

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<210> 7
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 7
 Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr Asn Lys Glu Ser Asp
 1 5 10 15
 Asp Lys

<210> 8
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 8
 Lys Asp Ser Leu Gln Trp Ile Thr Asp Gln Tyr Asn Lys Glu Ser Asp
 1 5 10 15
 Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu Lys Val Gln Arg Gln
 20 25 30
 Val Thr Asp
 35

<210> 9
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 9
 Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe
 1 5 10 15
 Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp
 20 25

<210> 10
 <211> 46
 <212> PRT
 <213> Homo sapiens

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<400> 10

Asn	Lys	Glu	Ser	Asp	Asp	Lys	Tyr	His	Phe	Arg	Ile	Phe	Arg	Val	Leu
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Lys	Val	Gln	Arg	Gln	Val	Thr	Asp	His	Leu	Glu	Tyr	His	Leu	Asn	Val
		20					25					30			
Glu	Met	Gln	Trp	Thr	Thr	Cys	Gln	Lys	Pro	Glu	Thr	Thr	Asn		
	35					40						45			

<210> 11

<211> 24

<212> PRT

<213> Homo sapiens

<400> 11

Arg	Gln	Val	Thr	Asp	His	Leu	Glu	Tyr	His	Leu	Asn	Val	Glu	Met	Gln
1				5				10				15			
Trp	Thr	Thr	Cys	Gln	Lys	Pro	Glu								
			20												

<210> 12

<211> 33

<212> PRT

<213> Homo sapiens

<400> 12

Gln	Val	Thr	Asp	His	Leu	Glu	Tyr	His	Leu	Asn	Val	Glu	Met	Gln	Trp
1				5				10				15			
Thr	Thr	Cys	Gln	Lys	Pro	Glu	Thr	Thr	Asn	Cys	Val	Pro	Gln	Glu	Arg
		20					25					30			
Glu															

<210> 13

<211> 49

<212> PRT

<213> Homo sapiens

<400> 13

Trp Thr Thr Cys Gln Lys Pro Glu

Asp Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe
 1 5 10 15
 Arg Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His
 20 25 30
 Leu Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr
 35 40 45
 Asn

<210> 14
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 14
 Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg Val Leu Lys
 1 5 10 15
 Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu
 20 25 30
 Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val Pro
 35 40 45
 Gln Glu Arg Glu
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<210> 15
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 15
 Gln Tyr Asn Lys Glu Ser Asp Asp Lys Tyr His Phe Arg Ile Phe Arg
 1 5 10 15
 Val Leu Lys Val Gln Arg Gln Val Thr Asp His Leu Glu Tyr His Leu
 20 25 30
 Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
 35 40 45
 Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe
 50 55 60
 Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
 65 70 75 80

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<210> 16
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 16
 Arg Gln Val Thr Asp His Leu Glu Tyr His Leu Asn Val Glu Met Gln
 1 5 10 15
 Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn Cys Val Pro Gln Glu
 20 25 30
 Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe Ser Val Phe Ala Val
 35 40 45
 Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
 50 55

<210> 17
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 17
 Asn Val Glu Met Gln Trp Thr Thr Cys Gln Lys Pro Glu Thr Thr Asn
 1 5 10 15
 Cys Val Pro Gln Glu Arg Glu Leu His Lys Gln Val Asn Cys Phe Phe
 20 25 30
 Ser Val Phe Ala Val Pro Trp Phe Glu Gln Tyr Lys Ile Leu Asn Lys
 35 40 45

<210> 18
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 18
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 cttttgttca aaattttgta ctgttcaaac cagggtagag caaactga gaagaagcag 180
 ttgacttgct tgtgaagctc ctttcctgg gggacacagt tcgtggtctc aggcttttgg 240
 caggtggtcc actgcatttc cacattcagg tgaaaccca ggtggtcaag tgactgcctc 300

106280"4E460

<400> 19
 ggsggsgggg sggggs 16